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Institutional Advancement, Office

OUTLOOK

A WEEKLY NEWSPAPER FOR FACULTY AND STAFF AT THE UNIVERSITY OF MARYLAND AT COLLEGE PARK

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USAID Funds New Center to Encourage Competitive Markets and Democratic Processes

The University of Maryland at College Park has signed a cooperative agreement with the United States Agency for International Development (USAID) to create the Institutional Reform and the Informal Sector (IRIS) Center at College Park.

Reform of the institutions and economies of developing nations and countries in Eastern Europe will be the focus of the new project.

USAID support for the five-year project is expected to total more than \$25 million. The agreement, signed Thursday, Nov. 15 at a ceremony in Washington, D.C. at the Senate Foreign Relations Hearing Room by University President William E. Kirwan and USAID Administrator Ronald W. Roskens, is for \$8.9 million. The IRIS project anticipates receiving up to \$16.1 million in additional funding from USAID regional bureaus and overseas missions during the next five years. It is one of the largest grants ever received by the university.

The main goal of IRIS is to support institutional reforms that enhance competitive markets and democratic processes in developing countries and those nations in Eastern Europe that are abandoning

centrally-planned economies, notes Mancur Olson, Distinguished Professor of Economics at College Park and the project's Principal Investigator.

"Both economic and political development depend on an improved knowledge of institutions and better choices among alternative institutional arrangements," Olson says. "The project will analyze institutions as well as provide education and technical assistance to improve the evolution of those institutions and encourage steps toward competitive markets and democratic policies in Eastern Europe and in the Third World."

IRIS will provide collaborative research, training and technical support to identify the legal and administrative constraints to market growth and effective democratic processes, Olson says. It is designed to promote better laws and institutions which will facilitate broad-based private sector-led economic growth. The aim of IRIS is to create an environment to allow the market system to work for everyone, particularly those who have traditionally been excluded from economic growth because they lacked the benefits of



Mancur Olson

the formal economy.

"The IRIS project will be an important international research center focusing on the growing field of new institutional economics," says Kirwan. "IRIS is an idea that brings new attention and solutions to very difficult development problems. As the largest research university in the national capital area, the university is moving aggressively to meet our international responsibilities and promote our overseas opportunities," Kirwan says, noting

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Happy Thanksgiving

Next Outlook on Dec. 3

The UM Board of Regents has approved the university's FY 1992 asking budget. And for the first time in many years, it does not reflect any increase in state general fund support. If the Current People Services (CPS) budget request is approved as it now stands—without any additional revenues requested through the Over the CPS Budget—College Park will receive an increase of just \$375,054—a bare .1 percent above the current year's working budget.

Almost every aspect of the budget process has been unusual this year. In August the regents approved the university's first budget request. However, on August 31, due to a projected downturn in the state's economy, the governor mandated a cost containment plan for all state agencies for the current fiscal year, asking for a reduction of six percent in the university's current operating budget. This amounted to a \$14.5 million reduction in this year's operating budget for College Park.

Shortly after, state agencies were instructed to adopt an extremely conservative approach in preparing a revised FY 1992 budget request and to incorporate the six percent

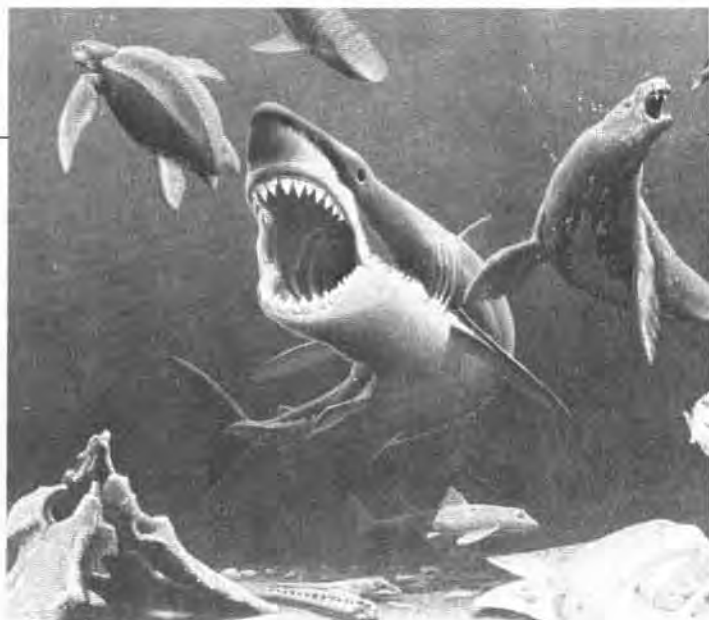
cost containment plan into the next year's request.

As a result, College Park's asking budget for the State-Supported Program totals \$338,801,314 for FY 1992. Of this, \$227.9 million is in General Funds, \$103.2 in Special Funds, and \$7.6 million—a 19 percent increase over last year—in Federal Funds. This represents approximately 39.3 percent in funding support to the campus from state appropriations, as compared to 40 percent in FY 91, and 43.2 percent of total state support in FY 90.

The request contains a mandatory classified salary increment of 2 percent. No merit increases are requested for faculty and professional staff; however, the Over the CPS Budget requests a four percent merit increase.

The asking budget calls for a four percent tuition increase for in-state students (a two percent cut from the six percent originally proposed but not approved by the Board of Regents). It also requests a 15 percent tuition hike for non-state undergraduates and a 12 percent increase for graduate students.

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"Sharks: Fact and Fantasy" is a new Smithsonian exhibit.

College Park Team Wins Global Internet Competition

A team of College Park computer science graduate students took first place in the Global Internet programming competition held in October. Two other university teams took fourth and seventh place in the competition, which was sponsored by Duke University and involved teams from 72 colleges and universities in this country and Australia, New Zealand, the Netherlands, Sweden, Belgium and Canada. Olafur Gudmundsson, faculty research assistant in the Department of Computer Science was faculty advisor for the Maryland teams.

Eugenie Clark Film Featured in Museum of Natural History Exhibit

"Sharks: Fact and Fantasy," a new exhibit at the National Museum of Natural History, features the College Park-produced film, "A Profile of Dr. Eugenie Clark."

Clark, shark expert and College Park professor of zoology, can be seen in the film teaching classes, conducting research, and riding the back of a 50-foot-long whale shark.

The exhibit also includes 17 life-size shark models, casts of shark

jaws, shark teeth, a display case of objects that have been removed from shark stomachs, and facts that accompany the fantasies surrounding sharks.

The show runs through January 20 and will feature the Clark profile in the Baird Auditorium on Nov. 24 and 25 and Dec. 26-Jan. 1. The museum is located at 12th and Constitution, NW.

AIDS Awareness Week Will Begin Nov. 26

Faculty, staff and students at College Park will reflect on how the AIDS epidemic is affecting life at the university and society as a whole during AIDS Awareness Week Nov. 26-Dec. 2.

Under the theme "Bridges to Understanding," a variety of activities will be held to explore the many dimensions of AIDS.

Major activities will include: **Monday, November 26** "Telling the Truth: AIDS in the '90s." A panel discussion on AIDS-related activism, ethics, policy issues, and safer sex education will be held at 4 p.m. in 2309 of the Art/Sociology Building. Sponsored by the Office of Human Relations.

AIDS in the Classroom. Throughout the week dozens of College Park faculty members in a wide variety of disciplines will devote regular class sessions to AIDS-related topics.

Tuesday, November 27 "Exploding the Myths Concerning AIDS." A panel discussion on the myths of AIDS hosted by Dick Cavett will be held at 7:30 p.m. in the Grand Ballroom of the Stamp Student Union. Cosponsored by SEE Productions, SUPC and the S.G.A.

Common Threads: Stories from the Quilt. Screenings of the Academy Award-winning documentary at 7:10 p.m. and 9:45 p.m. in Hoff Theatre. The film describes the first decade of AIDS through the lives of five people represented in the AIDS Memorial Quilt. The film will also be shown Wednesday at the same times with a discussion fol-

lowing the early showing on Wednesday.

Exhibit of "AIDS Education Posters." AIDS education posters designed by students in Applied Design 430 and 431 will be on display 11 a.m. to 5 p.m. in the Parents Association Art Gallery in the Stamp Student Union. The exhibit continues through Friday.

Wednesday, November 28 **Artistic Performances and Information Fairs.** Artistic performances and information fairs will be held 11 a.m. to 3 p.m. in the Atrium of the Art/Sociology Building and the Atrium of the Stamp Student Union and in the Ellicott Diner during the evening. The performances will feature faculty and student actors, dancers, and musicians. Sponsored by the Art Gallery and the Stamp Student Union Program Office.

Candlelight March and Chapel Service. Members of the university community will assemble at the fountain on the McKeldin Mall at 4:45 p.m. and proceed in a candlelight march to the Memorial Chapel for a service that begins at 5:20 p.m. The service will include secular and religious readings, music, and speeches presented by members of the university community.

Thursday, November 29 **AIDS in the Workplace Seminar.** A seminar for supervisors of faculty and staff on AIDS in the workplace will be held from 9 a.m. to noon in the Maryland Room of Marie Mount Hall. Information will be presented on official university

policies, laws and appropriate responses to HIV infection and AIDS in the workplace. Sponsored by the Personnel Services Department.

"Fanfare for the Common Man." A dance about AIDS featuring several dozen dancers will be presented at noon in front of Main Administration.

"AIDS: Personal Stories." Several people, both persons living with AIDS and the loved ones of people with AIDS, will share their personal stories at 2 p.m. in Rm. 2203 of the Art/Sociology Building. Sponsored by the Human Relations Office.

Longtime Companion. Screenings of this critically acclaimed film, which shows how AIDS changed the lives of a group of gay men in New York City in the 1980s, will be held at 7:10 p.m. and 9:45 p.m. in Hoff Theatre. The early showing will be followed by a discussion sponsored by the S.U.P.C. Film Committee. The film also will be shown Friday-Sunday at the same times.

OUTLOOK

Outlook is the weekly faculty-staff newspaper serving the College Park campus community.

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Letters to the editor, story suggestions, campus information & calendar items are welcome. Please submit all material at least three weeks before the Monday of publication. Send it to Roz Hiebert, Editor Outlook, 2101 Turner Building, through campus mail or to University of Maryland, College Park, MD 20742. Our telephone number is (301) 405-4621. Electronic mail address is outlook@pres.umd.edu. Fax number is (301) 314-9344.

UNIVERSITY OF MARYLAND AT COLLEGE PARK

Center for Institutional Reform Funded

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that last month the U.S. Department of Education also selected College Park as one of 16 international business education and research centers in the United States.

The IRIS project staff will support groups and individuals targeting specific reforms in developing countries and fund research, both at the university and elsewhere. For example, a major conference in Eastern Europe is planned to look at economic issues related to the transition to a market economy.

Other activities include work on specific reforms in several south Asian countries, and assistance to reformers in Mongolia.

"I have come away from the state's trade missions with a greater appreciation of the increasing interdependence of all our economies," says Maryland Governor William Donald Schaefer. "This new center will provide Maryland and the nation with another resource to help boost economic growth. I am proud that the university has been selected as the nation's center to conduct this important research," says Schaefer.

Tom Otwell

The university's public access Flagship Channel (Cable 38B in Prince George's County) will be featuring a special half-hour documentary in observation of AIDS Awareness Week, "The Los Altos Story." The thought-provoking film will be run on Monday, Nov. 26 through Thursday, Nov. 29 at 10 a.m., 4 and 8 p.m., and on Friday, Nov. 29 at 10 a.m. and 3:30 p.m. All 8 p.m. showings will be followed immediately by the lecture series, "The Science of Global Change," sponsored by the Department of Meteorology.

Two New Services Offered During McKeldin Library Closing and Move

The Libraries staff are attempting to minimize inconvenience to users resulting from the temporary closing for renovation of McKeldin Library between Dec. 22, 1990 and Jan. 22, 1991 by offering two special services, an extended loan period and faculty mail renewals.

Extended Loan Period: Since Oct. 16, 1990, borrowers have been given an extended loan period of 98 days (14 weeks) for most circulating materials from any of the university Libraries, except Hornbake Library, which will continue to have 28-day loans. All borrowers are eligible for the extended loans except for faculty, who already are given extended loans.

The extended loan period does not affect recalls, and any circulating item may be recalled during this time. If someone asks for an item charged within the extended loan period, the borrower's due date may be shortened and the item's return requested by mail.

Regular loan periods will resume Jan. 2, 1991.

Faculty Mail Renewals: Since Oct. 16, permanent university faculty members have been able, if they choose, to renew library materials by mail. To do this, the borrower must make a photocopy of the front cover of each book that is to be renewed, making sure that the barcode is copied clearly. The photocopy along with a self-

addressed envelope should be sent to the circulation desk of the university library most frequently used by the borrower. When the request is received, circulation staff will update automated files—if possible—and return the photocopy with a new due date stamped on it. The returned copy will be the borrower's proof of the renewal.

Requests for renewal of certain materials, such as an item that is required for a course reserve or one that has had a hold put on it for use by another library patron, may be denied. In these cases, staff will return the photocopy to the borrower, noting that the request cannot be filled.

This service applies only to books from campus Libraries borrowed by College Park faculty. Participating libraries include: Architecture, Art, Engineering and Physical Sciences (EPSL), McKeldin, Music and White Memorial (Chemistry).

The service does not apply to Hornbake Library books or to special collections material, such as Nonprint Media items, course reserve collections, Music Library compact disks or EPSL technical reports.

For more information on these two services, ask circulation staff in any university library or call Danuta Nitecki, associate director for public services, at 403-4184.



McKeldin Library will be closed from Dec. 22, 1990 to Jan. 22, 1991

Board of Regents Approve FY '92 Asking Budget

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Mandatory increases in salaries, inflation, and other expenses, combined with no increase in this year's general funds appropriation level, will require that the fourth year of the undergraduate enrollment reduction plan at College Park be put on hold next year.

Revenue from the proposed tuition increase, and other reallocation of funds will help support continuation of the following enhancement initiatives, including:

- Key-Banneker Scholarships, \$450,000;
- Access to courses, \$250,000;
- Continued upgrading of administrative computing, \$340,000;
- Restoration of cuts to out-of-state travel, \$600,000; and
- Motor vehicles, \$430,000.

Any substantial progress that College Park would hope to achieve in its enhancement plans next year could only be accomplished if initiatives in the Over the CPS Budget Request were to be looked upon favorably by the governor and legislature. The Over the CPS Request is prepared to meet general needs and enhancement

initiatives of the university, items not contained within the CPS request. The Over the CPS Request, approved by the Board of Regents, places great emphasis on funding College Park as the flagship university. It contains a \$22.8 million request and 91 new positions to support current needs of College Park, including:

- Funding for new facilities coming on line, \$2.4 million;
- Leveraging new facilities, \$1.7 million;
- Enhancement of academic programs, \$9.6 million, to enrich undergraduate education, reduce student/faculty ratios and introduce new courses for freshmen; recruit and retain outstanding high school students, enhance diversity initiatives and improve minority participation at the graduate level, implement new initiatives in the sciences, expand public service, particularly in agriculture and engineering, and enhance the effectiveness of administration.
- Downsizing—\$1.4 million to continue the fourth year of the five-year plan to replace with state General Funds the tuition revenue lost by reducing the number of under-

graduate students by 20 percent;

- Access to veterinary medicine, \$671,000;

- Four percent merit salary adjustments, \$4.7 million; and
- Extending the facilities renewal program, \$2.2 million.

What are the chances that some of these critical Over the CPS items will be funded? Not much, if the current state of economic affairs—not only in the state of Maryland, but on the federal level as well—continues.

The university, meanwhile, is looking to increased federal and private support to keep the current momentum going. And it is awaiting the governor's budget presentation and the legislature's response next spring.

Roz Hiebert

Funding Renewed for Journalism's Knight Center

The Knight Foundation has approved a grant of \$832,734 to the College of Journalism to renew funding of the Knight Center for Specialized Journalism for three years. Established at College Park in 1987, the center offers four or five courses annually designed to improve the reporting skills of journalists covering complex, specialized fields. Nine courses of one- and two-week duration have brought 224 journalists to the university as Knight Center Fellows to study issues of nuclear power, business, finance and economics, cancer, U.S. demography, biotechnology and the war on drugs.

Criminologists Explore Issues of White-Collar Crime Reporting



Charles Wellford,
Director of the Institute
for Criminal Justice and
Criminology

As society has changed, so has the concept of crime. "Increasingly, public opinion polls have demonstrated that the general public has come to recognize the importance of white-collar crime and to demand government action to prevent and control it," says Charles Wellford, director of the university's Institute of Criminal Justice and Criminology. Wellford is the co-author, along with Barton Ingraham of the Institute of Criminal Justice and Criminology, of a recent paper entitled, "Toward a National Uniform White-Collar Crime Reporting System."

Wellford and Ingraham propose a tripartite division of the concept of white collar crime into such categories as business and professional crimes, occupational crimes, and individual frauds.

In using the tripartite division, the government would be able to make a distinction between how much crime is being committed every year by businesses, the professions (as organizations) and political groups, and how much is being committed against them and also against the general public by persons within their ranks, say Wellford and Ingraham.

Wellford and Ingraham say that if there is to be a national uniform white-collar crime reporting system, it will have to be one based primarily on data from federal agencies and will have to move beyond the current efforts to count arrests and prosecutions under federal criminal statutes and use updated definitions.

"The Securities and Exchange Commission, the Internal Revenue Service, the Office of the Comptroller General, and the Federal Bureau of Investigation all have developed sophisticated management information systems to track matters that are referred to them," say Wellford and Ingraham. "And each of these agencies has a primary involvement in the white-collar crime area. These agencies

provide us with an opportunity to move beyond arrests or prosecutions in estimating the extent of white-collar crime."

They also suggest that the Bureau of Justice Statistics should encourage states to develop state uniform white-collar crime reporting systems.

"The report observes that the program of a national white-collar crime reporting system, limited as it would be, would be of significant benefit to understanding this type of crime and would open up a vast area for further research on trends and developments in white-collar crime activities," they say.

Over 50 years ago, Edwin Sutherland, a major figure in American criminology, introduced the concept of white-collar crime to criminal justice officials, criminologists, and the public.

"Since that time," the authors observe, "the concept has become an integral part of criminological research and frequently, in recent years, has been an area of crime of intense interest to policy makers and the public."

Sutherland stressed that crime in the United States was not exclusively a lower-class phenomenon caused by poverty and social conditions that accompany poverty, but rather that there was a vast amount of unrecorded crime committed by wealthy, highly respected individuals and by the businesses and industries they owned or controlled.

Wellford and Ingraham contend that "when crimes are committed by corporations, it often becomes extremely difficult to pinpoint where in the hierarchy responsibility for the crime rests. Often it has been found to rest at middle levels of management rather than in the corporate boardroom."

"The absence of a national uniform white-collar crime reporting system has hampered our ability to understand the phenomenon, and to develop appropriate strategies for its prevention and control."

The two say this report was the result of a request by the Bureau of Justice Statistics to the institute to help determine whether such a system is feasible at this time.

In this paper, Wellford and Ingraham state that the academic/criminological conception of white-collar crime, derived from the seminal work of Sutherland but greatly elaborated on since then by successors, seems to have as its core the commission of non-violent illegal activity within an organizational context by individuals who do not normally regard themselves as criminals because most of their time is spent in legitimate activities.

"Nevertheless," they state, "there is a continuing ambiguity about the extent to which the crime must necessarily be committed within the context of an organization, and if it is, whether the offense must be committed for the organization or can also be committed against it."

"Thus," they add, "the concept has expanded to include many economic crimes that were not originally within the scope of what Sutherland considered 'white-collar crime.'"

The FBI lists as "white-collar crime" such illegal activities as fraud, embezzlement, forgery, counterfeiting and regulatory offenses such as customs violations and general export of restricted defense materials and information, but not drug import and export violations.

In the report Wellford and Ingraham state that the law enforcement community now views white-collar crime as virtually any nonviolent crime committed for financial gain or personal advancement by persons whose occupational status is entrepreneurial, professional or semi-professional, and sometimes by persons of no legitimate occupation or profession.

Lisa Gregory

Wellford Honored for Work in Criminology

Charles Wellford, director of the university's Institute of Criminal Justice and Criminology, was recently named the new Criminology Editor for the *Journal of Criminal Law and Criminology*. In addition, he has been elected vice president of the American Society of Criminology and selected to receive the Herbert Bloch Award.

Wellford, who will serve a three-year term and has been an editorial consultant for the *Journal* since 1973, will provide publication advice and monitor the depth and quality of the reviews received by the *Journal*, the largest and oldest

circulation journal in the field.

Wellford received the Herbert Bloch Award for his outstanding service to the American Society of Criminology and the profession of criminology.

Wellford, who has been the director of the Institute of Criminal Justice and Criminology since 1981, serves on numerous state and federal advisory boards and commissions and was the executive secretary of the American Society of Criminology for five years and will serve as vice president in 1991.

From 1976 to 1981 he served in the Office of the United States At-

torney General where he directed the Federal Justice Research Program. During that time, he directed research on federal sentencing and prosecution policies and on the state of civil justice in America.

The author of numerous publications on criminal justice issues, Wellford's has recently been researching the determinants of sentencing, the factors accounting for changes in levels of imprisonment, the development of comparative crime data systems and the measurement of white-collar crime.

Lisa Gregory

Health Center Support Group Forming

The University Health Center, in cooperation with the Whitman-Walker Clinic and HERO, is currently forming a support group for HIV+ individuals. The group is open to faculty, staff, students, and community members. For more information contact Roger Segalla at 314-8126.

ARTS

Semester's End Brings Holiday Concerts

An autumn of planning and rehearsals at a university campus usually brings forth an abundant crop of musical performances at the end of the semester, just in time to enrich the Thanksgiving and Christmas holidays. The musical offerings on the College Park campus for the 1990 holidays are more than usually diverse, fresh and festive. Among the highlights are:

University of Maryland Bands Showcase on Nov. 20 at 7:30 p.m. in Tawes Theatre. Conducted by L. Richmond Sparks, George Ross and John Wakefield, the bands will perform a gala 20th anniversary concert, with music ranging from classics to jazz and gridiron spectacles. Call 405-5542 for ticket info.*

Maryland Opera Studio's Double Bill in Tawes Recital Hall at 8 p.m. on Nov. 30, Dec. 6 and Dec. 8 (Dec. 8 is an Artist Scholarship Benefit concert). Two one-act 20th century operas, *Comedy on the Bridge* and *Maria Elena*, directed by Rhoda Levine, will be sung in English and conducted by William Hudson. Call 405-5548 for info.*

University of Maryland Chorus Christmas Concert on Dec. 1 at 8 p.m. and Dec. 2 at 3 p.m. in the Memorial Chapel. Conducted by Paul Traver, the chorus will sing seasonal music, including several choruses from *Messiah*, in a program designed to delight all ages. Call 405-5568 for info.*

University Community Concerts American Brass Concert on Dec. 1 at 8 p.m. in the Center of Adult Education. The program, "Five Centuries of Music for Brass," will be preceded by a lecture-demonstration of antique brass in-

struments and followed by an opportunity for audience members to view the instruments and enjoy a cup of punch. Call 403-4239 for info.*

University of Maryland Gospel Choir Winter Concert on Dec. 7 at 7:30 p.m., in the Colony Ballroom of the Stamp Student Union. Gospel and seasonal music will be on the program, which will be conducted by director Valeria Foster. The choir's newly released tape will be available for purchase before and after the free concert. Call 314-7758 for info.

University of Maryland Chorale Christmas Concert on Dec. 11 at 8 p.m. in the Memorial Chapel. Conducted by Roger Folstrom, the chorale will perform with Emerson Head's Repertoire Orchestra and organist Theodore Guerrant. Special guests this year are the Chopticon High School Peace Pipers, a madrigal group that sings in Renaissance costume. Both traditional music and favorite carols will be on the program of this free concert. Call 405-5537 for info.

The Maryland Boy Choir's Annual Christmas Concert, the nearest of all these performance to Christmas, this concert is scheduled for Dec. 21 at 8 p.m. in Tawes Recital Hall. Directed by Betty Scott, the choir will sing music of Faure, Praetorius and traditional carols arranged by Rutter and Willcocks. Call 405-5548 for info.*

*There is a charge for events marked with an asterisk. All others are free.



ILLUSTRATION BY PETER ZULKARNAIN

Gallery Shows Diebenkorn Work

The acclaimed etchings of artist Richard Diebenkorn are the highlight of a multi-faceted exhibition currently on display in the Art Gallery.

A series of 41 etchings by Diebenkorn are featured along with selected paintings by Maryland artist Mark Dassoulas and contemporary prints from the gallery's permanent collection in a show that runs through Dec. 20.

Diebenkorn is best known for his ongoing series of "Ocean Park" paintings, a project he began in 1965. The etchings in the current exhibit were produced just prior to the start of the "Ocean Park" series, and the figurative and abstract compositional techniques used in them pre-figure the later work, according to associate gallery director Cynthia Wayne.

The exhibit also features recent paintings by Mark Dassoulas. The new body of work represents something of a departure for the Maryland artist. In the paintings, he breaks from his previous super-realistic subject matter to explore human figures from a more spiritual point of view, Wayne says.

Also on view in the exhibit are a selection of prints by contemporary artists Lowell Nesbitt, Larry Rivers, Chryssa and Friedensreich. These works are from the gallery's permanent collection.

The gallery is located in the Art/Sociology Building and is open 10 a.m. to 4 p.m. Monday-Friday, Wednesday until 9 p.m. and Saturday and Sunday from 1 p.m. to 5 p.m.

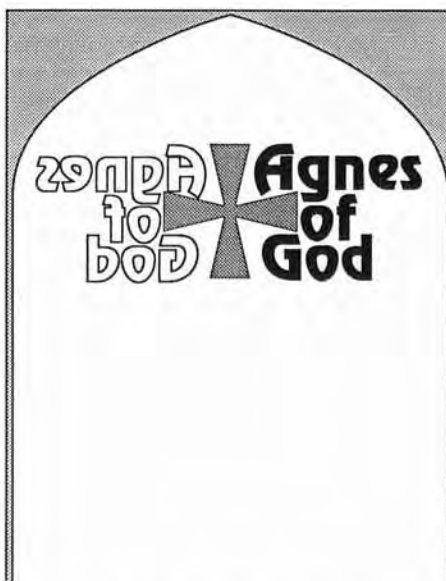
University Theatre Will Present "Agnes of God"

University Theatre will present a play of "words, thoughts, feelings and miracles" with its presentation of "Agnes of God" beginning Nov. 27 in the Rudolph E. Pugliese Theatre.

"Agnes of God," written by John Pielmeier, deals with an investigation into the death of a baby in a convent. The mother, a novice nun named Agnes, is accused of murdering the child, and a court-appointed psychiatrist comes to the convent to examine the girl.

The play focuses almost entirely on the interaction between the novice, the psychiatrist and the mother superior as the outsider attempts to unravel the mystery within the cloistered environment of the convent. Through this interaction, the play explores complex emotional, theological, philosophical and psychological issues, says director Kate Ufema, assistant professor of theatre.

Ufema's production uses minimal scenery and staging effects to highlight psychological drama. Three senior undergraduates play



the major roles. Suzan Stacy, a theatre and speech communication major, plays the mother superior; Jennifer Holland, a journalism major, is the psychiatrist; and Patricia Luther, an Asian studies major, is Agnes.

Performances of the show are Nov. 27-Dec. 2 and Dec. 4-Dec. 9.

Engineering Library to Co-host Patent Seminar

The Engineering and Physical Sciences Library and the Baltimore Chapter of the Special Libraries Association, will co-host a state-wide seminar on "Accessing Patent Information" on Nov. 28 from 9 a.m. to 5 p.m. at the Adult Education Center. The seminar, open to librarians from around the state as well as lawyers and individual inventors, will be presented by the U.S. Patent and Trademark Office, Office of Patent Depository Library Training Programs. For information call Judy Erickson at 405-9151.

Fey Proposes Improvements in Math Education



James Fey

American mathematics students spend too much time doing calculations, and not enough time learning how to use those calculations creatively to solve meaningful problems, says James Fey, professor of curriculum and instruction and mathematics. Fey wrote a chapter on improving mathematics education in the area of quantity for the recently published book, *On the Shoulders of Giants: New Approaches to Numeracy*.

The book, published by the National Academy of Sciences, consists of six chapters by prominent mathematics scholars who propose new approaches to tomorrow's mathematics curriculum.

"Schools need to reallocate the time students are required to spend on procedural and predictable mathematics such as computations, and begin to use that time for more advanced and creative math with more practical applications," says Fey.

He believes the way to do this is to not resist computers and calculators, but to use them where they are most effective, such as for "number crunching" large amounts of data such as census information or inflation trends.

"It no longer makes sense to devote large portions of the school curriculum to training students in arithmetic or algebraic algorithms that can be performed quickly and accurately by low-cost and convenient calculators," Fey writes.

"In the world outside of school, almost everyone relies on calculators and computers for fast and accurate computation. But school curricula have yet to change significantly in response to these new conditions," he says.

Fey believes that many students are capable of learning and applying more advanced and creative math concepts long before they master the rules for manipulating those expressions; but they must be

given the instruction and technological tools to do so, he says.

"School mathematics must prepare students to use their knowledge of numbers, algebra, and measurement in flexible and creative ways—not only in routine, predictable calculations," he concludes. This, Fey believes, could help more students to develop an interest in math, and may even help teachers to identify those students with exceptional math reasoning skills who would otherwise be lost in a web of boring calculations.

Fey holds a doctoral degree in mathematics education from Columbia University. At College Park, he teaches mathematics content and methods courses. For the past ten years his research has focused on the development of curricula that use calculators and computers as learning and problem-solving tools.

Fariss Samarrai

Turf Research Aids \$1 Billion Industry

At the Maryland Agricultural Experiment Station's Cherry Hill Facility, the subject of interest is a product that is planted on as many Maryland acres as corn—one that generates nearly \$1 billion in revenue and one that thrives on increasing urbanization. The subject: turfgrass.

Marylanders spend about \$680 million per year for turf maintenance on golf courses, athletic fields and professional lawn care, according to Peter Dernoeden, associate professor of agronomy. That figure does not include the millions spent annually on lawn care by do-it-yourselfers, nor the millions spent on equipment for professional maintenance.

Dernoeden's area of research

interest is turf weed and disease management. He notes that Maryland turf researchers were the first in the East to discover the causal agents of spring dead-spot disease of Bermuda grass and take-all disease of creeping bentgrass.

They also were the first in the United States to use and test numerous herbicides and fungicides that provide improved weed and disease control, at reduced rates or reduced application frequencies.

Dernoeden's research now is concentrated on decreasing pesticide use through integrated pest management (IPM)—using factors such as mowing height, fertility and irrigation practices to control weeds and disease.

He notes, for example, that take-

all disease can be suppressed by applying acidifying fertilizers. An IPM approach also works for summer patch, the number one disease in Maryland home lawns and one that wiped out Kentucky bluegrass from golf fairways in the Baltimore-Washington area.

"We found that summer patch could be managed on home lawns without using fungicides," Dernoeden says. "By increasing mowing heights to three inches, irrigating deeply at the onset of drought stress to at least six inches, and by applying slow-release nitrogen fertilizer, we could reduce the severity of summer patch by 80 percent."

Kevin Miller
MAES Science Editor

Business School's Graduate Program at Shady Grove Gets Good Marks

With an enrollment of 31 students this semester, the College of Business and Management's MBA program at Shady Grove is off to a very strong start. Even the lengthy process of obtaining final approval from the Maryland Higher Education Council, which forced the college into a hurried advertising campaign last spring, failed to keep the program from beginning on schedule. And according to MBA Director Mark Wellman, Shady Grove students' GMAT scores (all must take the national Graduate Management Admission Test before applying to the Maryland MBA program) are in the 87th

percentile.

The response to the Shady Grove program has been overwhelmingly positive, Wellman says. "We have had hundreds of inquiries about it since it was first announced. I believe its success is due mainly to the fact that the new program is of the same quality as the one offered to College Park students, and that it is taught by College Park faculty. The only difference is that it is part-time because nearly all Shady Grove students have full-time jobs."

The Shady Grove program was developed as a result of a study conducted in 1988 by the university

and the Montgomery County High Technology Council. The survey of county residents—43 percent of whom hold college degrees—indicated by a two-to-one margin that respondents would be interested in enrolling in a business management program over any other graduate curriculum.

In two years, the Maryland MBA Program at Shady Grove will move into a new facility now being constructed to house several university programs. This 45,000-square foot office building is located on 50 acres alongside Interstate 270.

Sexual Harassment Education Workshops Scheduled

The Office of Human Relations Programs is sponsoring Sexual Harassment Education Workshops for all faculty and staff. The workshops will be held Dec. 5 from 10 a.m. to 12 noon in room 1102 of the Stamp Student Union and Jan. 23 from 10 a.m. to 12 noon in the Maryland Room of Marie Mount Hall. A third workshop is scheduled for March 14 from 10 a.m. to 12 noon, also in the Maryland Room of Marie Mount Hall. To register for a workshop or for more information call 405-2844.

F.Y.I.

Kudos to...

Leonard Mock, volunteer in Horticulture, for being honored at the recent Prince George's Volunteer Appreciation Awards ceremony for tirelessly applying his engineering skills to environmental research.

Barbara Finkelstein, Education Policy and Planning, for receiving a spectacularly positive review in a recent issue of *Teachers College Record* of her new book, *Governing the Young: Teacher Behavior in Popular Primary Schools in 19th Century United States*. Finkelstein was commended for "the currency of her concepts, the breadth of social science scholarship" and her "grace" of construction.

Department of Health Education Faculty for the presentation of six papers at the recent American Public Health Association meeting in New York. The papers covered work by: **Kenneth Beck**, **Robert Feldman**, **Sharon Desmond**, **Stephen Thomas** and graduate assistant **Sandra Quinn**. In addition, **Feldman** and **Thomas** took offices in the leadership of the association.

Linda Gambrell, Curriculum and Instruction, for being named Outstanding Educator of Reading in Higher Education by the state of Maryland last spring, and for being the guest speaker as a result of the award at the tenth anniversary of the Frederick County Reading Council in Sept.

Santiago Rodriguez, Music, for the rave review in *Musical America* greeting his new recording of the Rachmaninov Piano Concerto No. 3. "At last, we have among us a true artist quite unafraid of being a dramatic virtuoso, perhaps the greatest since Kapell," says the reviewer. And: "A genuine star has arrived....Bravo, many times over."

Douglas Gill, Zoology, on being elected president of the Choral Arts Society of Washington, Norman Scribner, director. Gill, a bass in the chorus, will preside over a season that includes Christmas concerts, a performance of Haydn's "Creation" Mass, and appearances with the National Symphony Orchestra in Beethoven's Ninth Symphony and

Prokofiev's "Alexander Nevsky" next spring.

GAMMA (Greeks Advocating the Mature Management of Alcohol) for receiving a \$15,000 award from Pontiac for their outstanding effort last spring to raise money and awareness for Students Against Drunk Driving. Of the 25 colleges across the nation selected to participate in the fundraiser, the GAMMA chapter at College Park raised the most money.

William Scales, Counseling, for beginning a year as president of the Association on Handicapped Student Service Programs in Post-secondary Education, a multinational organization concerned with upgrading the quality of services available to students with disabilities in higher education.



Santiago Rodriguez



William Scales

Three Receive AAUW Awards

Two scholars on the College Park campus, Gladys Marie Fry and Chi-Kwan Ho, and a third, Anne Wilson, a visiting scholar, have received prestigious 1990 fellowship awards from the American Association of University Women (AAUW).

Fry, associate professor of English, was awarded the Palmer Postdoctoral Fellowship for her work, "The Lash and the Loom: Slave Weaving in the Ante-Bellum South."

Chi-Kwan Ho, a graduate student in Asian Education Studies, received a Dissertation Fellowship for her work, "Gender Role Perception: An Intergenerational Study on Chinese American Women."

Wilson, a visiting graduate student from UCLA doing research under the direction of James Hendler in the Computer Science department, also received a Dissertation Fellowship.

The AAUW Education Foundation is the oldest and largest non-institutional source of funding for graduate education for women. In 1990, over 1,800 applicants were reviewed and 97 were recommended to the foundation's board of directors for funding. Over \$2 million was awarded to women scholars, community activists, and teachers.

The College Park AAUW Branch runs an active program of events, conferences, and meetings. Fry will be the featured speaker on Feb. 8 at the branch's popular Published Women Luncheon series, co-sponsored by the University Club at the Rossborough Inn. Call branch president Terry Saylor, 403-4142, for information about fellowship programs and other AAUW activities.



Gladys Marie Fry

Klumppp Brings Order out of Chaos

Outlook is nominating Associate Professor of Speech Communication James Klump as the unsung hero of the Campus Senate. As Senate Parliamentarian, he always sits next to the chair, providing instant and expert advice on procedure. His most recent contribution, the definitive document, "Some Basics of Parliamentary Procedure," was prepared for the senate in the fall of 1990. Anyone interested in Robert's Rules or parliamentary procedure, and especially anyone

involved as an official in running an organization, would benefit by having a copy. The nine-page Klump text outlines everything you ever wanted to know about *Robert's Rules, Newly Revised*. Klump's work rivals the original for clarity and authority—and has the virtue of being a good deal shorter than the 500-plus pages of its precursor. Call the senate office at 405-5805 if you would like a copy.

FYI

Call for Black History Month Calendar Items

The Office of Campus Activities has issued a call to all units and organizations at the university for submission of appropriate activities for inclusion in the comprehensive Black History Month (Feb.) calendar that it compiles each year. The deadline is Dec. 17. Forms are available from Alethia Nancoo at 314-3174 in the Campus Activities Office.

Dingman Center Opens Baltimore Office

The College of Business and Management's Dingman Center for Entrepreneurship officially opened its Baltimore office last month. The satellite center is located in the University of Maryland Baltimore County's Technology Enterprise Center in Catonsville. The Dingman Center offers entrepreneur mentoring services, seminars on

various entrepreneurial topics, a venture capital network, roundtable discussions, short courses, internships and placement services for business students.

Journalists to Participate in Health Care Teleconference Nov. 27

Journalists across the country will take part in a special four-hour teleconference Nov. 27 beginning at noon about the escalating costs of medical care and efforts to control health bills. Reporters and editors will be able to phone questions to a panel of experts at College Park. Chaired by Victor Cohn of *The Washington Post*, the panel and a live audience of journalists will be gathered at the ITV building on the College Park campus. Over 50 sites around the country are scheduled to be linked up to the teleconference, which is being produced by the university's Knight Center for Specialized Journalism.

CALENDAR

Casting Contest Reels in Winners

Results of the first annual spin-casting contest, held on the Engineering Field in September by Campus Recreation Services are in. Top spin-caster was **Russel Sarbora** with a top score of 26 points. Sarbora won a new rod and reel for his efforts. Among the other top scorers were: **Steve McDermott**, 25 points; **John Malloy**, 22; **Bobby Rippeon**, 21; **Ted Hauser**, 20; **Resse Nichols**, 18; **Buster Chilcoate**, **Chris Darcey**, **Michael Chakuin**, 17, and **Paul Lentz** and **Joe Green**, 16. **Julie Leimkahler**, of Campus Recreation Services, says she expects the casting contest to become an annual event.

NOVEMBER 19 - DECEMBER 2

19 MONDAY

Art Gallery Exhibition: "The 41 Etchings Drypoints of Richard Diebenkorn," today-Dec. 20, The Art Gallery, Art/Soc. Call 5-2763 for info.

Women's Commission Meeting, noon-1:30 p.m., 2105 Main Administration. Call 5-5806 for info.

Space Science Seminar: "X-ray Observations of Solar Flares," David Batchelor, NASA/Goddard, 4:30 p.m., 1113 Computer & Space Sciences. Call 5-4829 for info.

Women's Studies Lecture: "Making Revolution: The Role of Women in the African National Congress," Lindiwe Mabuza, Chief Representative of the African National Congress in the U.S., 8 p.m., 2203 Art/Soc. Call 5-6877 for info.



The Jazz Ensemble, conducted by **George Ross** (above), will perform in the Bands Showcase on Nov. 20.

20th Annual University of Maryland Bands Showcase Concert, L. Richmond Sparks, George Ross, & John Wakefield, conductors, 7:30 p.m., Tawes Theatre. Call 5-5542 for info.



Robert Dorfman (above) is a featured speaker in the Admissions program on Nov. 19.

Undergraduate Admissions Informational Program, for faculty parents & children, featuring guest speakers Robert Dorfman, vice president, Academic Affairs & Provost, college representatives, staff, & currently enrolled students, 3-5:15 p.m., Atrium, Art/Soc. Call 4-8381 for info.

20 TUESDAY

Zoology Lecture: "Ontogeny of Vocalization in the Evening Bat," Andrew Scherrer, Zoology, noon, 1208 Zoo/Psych. Call 5-6890 for info.

Physics Colloquium: "The Universe: A Remarkable Accelerator," Hector Rubinstein, U. of Stockholm, 4 p.m., 1410 Physics, tea reception, 3:30. Call 5-5980 for info.

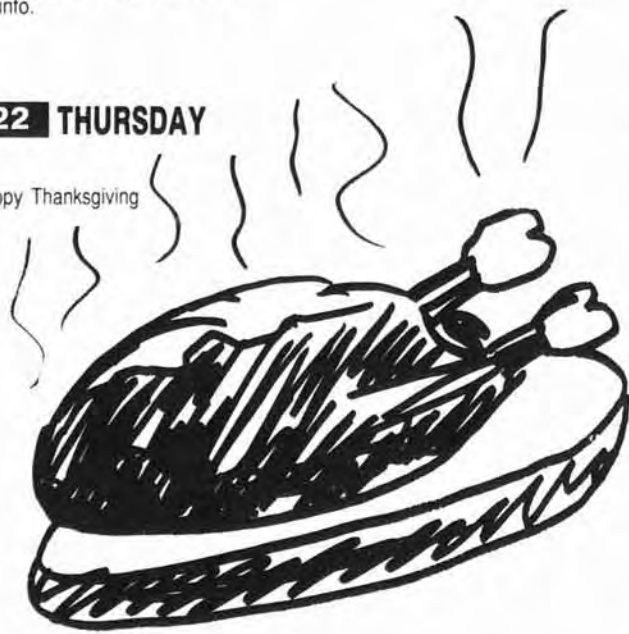
Dingman Center for Entrepreneurship Seminar: "Mergers, Acquisitions, Corporate Partnering, and Divestitures," 6:30-9:30 p.m., Pooks Hill Marriott, Bethesda. Call 5-2144 for info.

21 WEDNESDAY

Writers Here & Now Reading, featuring student work, 3:30 p.m., 3101 McKeldin Library (Katherine Anne Porter Room). Call 5-3819 for info.

22 THURSDAY

Happy Thanksgiving



26 MONDAY

AIDS Awareness Week

Center for International Extension Development Colloquium: "Women and the Development of Agriculture in a Time of Economic Constraint," Chloe O'Gara, Office of Women in Development, USAID, noon (bring lunch), 0115 Symons Hall. Call 5-1253 for info.

Campus Senate Open Hearing: "Strengthening a Partnership: Shared Governance at the University of Maryland College Park," today-Nov. 28 (different hearings for different departments), 1-3 p.m., Nov. 28 until 3:30 p.m., Maryland Room, Marie Mount Hall. Call 5-5805 for info.

Zoology Lecture: "Do Plants Call for Help? The Evolution of Induced Synomone Production," Maurice W. Sabelis, 4 p.m., 0200 Symons. Call 5-6887 for info.

Space Science Seminar: "Observations of Intense Energetic Electrons at Low L-Value During a Geometric Storm," D. S. Evans, NASA Headquarters, 4:30 p.m., 1113 Computer & Space Sciences. Call 5-4829 for info.

Women's Basketball vs. Loyola, 5:15 p.m., Cole Field House. Call 4-7064 for info.

Men's Basketball vs. Towson State, 7:30 p.m., Cole Field House. Call 4-7064 for info.

Movie: *Common Threads & Longtime Companion*, Hoff Theatre. Call 4-HOFF for info.

27 TUESDAY

Employee Development Seminar: "Overview of the Personnel Services Function," 9 a.m.-noon, Maryland Room, Marie Mount. Call 5-5651 for info.

Zoology Lecture: "Neuroethology of Audition in the Praying Mantis," David Yager, Psychology, noon, 1208 Zoo/Psych. Call 5-6942 for info.

Housing & Design Lecture: "Design Philosophy and Methodology," Wojciech Gasparski, 3:30 p.m., 1400 Marie Mount. Call 5-4377 for info.

Movie: *Common Threads & Longtime Companion*, Hoff Theatre. Call 4-HOFF for info.

28 WEDNESDAY

Dance Performance, to commemorate AIDS Awareness Week, 11:30 a.m., Art/Soc Atrium. Call 5-3190 for info.

Counseling Center Research & Development Meeting: "Cooperative Learning and/or Penny's Scheme," Elizabeth Shearn, Counseling Center, noon-1 p.m., 0106-0114 Shoemaker. Call 4-7691 for info.

Noontime Seminar on Computers in the Arts & Humanities: "Visualization in the Arts and Humanities," Alexander Chen, Housing & Design, noon-1:30 p.m., Call 5-4337 for info.

Women's Basketball vs. Richmond, 5:15 p.m., Cole Field House. Call 4-7064 for info.

Architecture Lecture, featuring Thom Mayne, Morphosis Architects, Santa Monica, CA, 7:30 p.m., Architecture Auditorium. Call 5-6284 for info.

Men's Basketball vs. Southern California, 7:30 p.m., Cole Field House. Call 4-7064 for info.

Committee on the History and Philosophy of Science Lecture: "Demystifying the Theories of Evolution & Relativity, Part I," John Norton, U. of Pittsburgh; today, "The Origins of Einstein's Theory of Relativity," 8 p.m., Montgomery Blair High School Auditorium, Silver Spring; tomorrow, "Was Einstein Confused over General Covariance?," 4 p.m., 2324 Computer & Space Sciences. Call 5-5691 for info.

Movie: *Common Threads & Longtime Companion*, Hoff Theatre. Call 4-HOFF for info.

University Theatre: *Agnes of God*, 8 p.m., Pugliese Theatre. See November 27 for details.

29 THURSDAY

Counseling Center Financial Aid Workshop, 3-4 p.m., 2201 Shoemaker. Call 4-7693 for info.

Meteorology Seminar: "Hydrostatic Complex Control at NMC," William Collins, NMC Camp Springs, 3:30 p.m., 2114 Computer and Space Sciences, refreshments, 3 p.m. Call 5-5392 for info.

Horticulture Seminar: "Publishing Your Best," Anne McLaughlin, Information and Publication, 4 p.m., 0128B Holzappel. Call 5-4356 for info.

Society for Human Resource Management Meeting: "Training and Development," Vincent C. Messer, Johns Hopkins U. Applied Physics Lab., 5 p.m., 1102 Tydings, Happy Hour to follow. Call 4-2481 for info.

Rockefeller Resident Fellows Lecture: "Histori Intellectual de America Latina: una tarea por realizar," Bernardo Subercaseaux, 5:30 p.m., St. Mary's Hall. Call 5-6441 for info.

University Theatre: *Agnes of God*, 8 p.m., Pugliese Theatre. See November 27 for details.

30 FRIDAY

Geology Seminar: "Fluid Flow in Metamorphic Rocks: Stable Isotope Constraints from Boundary Layers to Marble Bands on Naxos," Michael J. Bickle, U. of Cambridge, 11 a.m., 0105 Hornbake Library. Call 5-2783 for info.

"Lunch n' Learn" Mental Health Lecture: "Art Therapy with Victims of Childhood Sexual Abuse," Barry Cohen, Dominion Hospital, Falls Church, VA, 1-2 p.m., 3100E Student Health Center. Call 4-8106 for info.

Film Showing: *U.S. Bases in the Philippines and International March for Peace and Reunification of Korea*, discussion to follow, 4-6 p.m., Memorial Chapel Lounge. Call 5-8458 for info.

University Theatre: *Agnes of God*, 8 p.m., Pugliese Theatre. See November 27 for details.

Maryland Opera Studio: *Comedy on the Bridge*, by Bohuslav Martinu and *Maria Elena*, by Thomas Pasatieri, Rhoda Levine, director; William Hudson, conductor, 8 p.m., Tawes Recital Hall. Call 5-5548 for info.

1 SATURDAY



The American Brass Quintet will perform on Dec. 1.

University Community Concerts, American Brass, program TBA, 8 p.m., Center of Adult Education, \$17 standard admission, \$14.50 students and seniors. Call 80-4239 for info.

University of Maryland Chorus Christmas Concert, Paul Traver, conductor, 8 p.m., Memorial Chapel. Call 5-5548 for info.

Maryland University Club Year-end Dinner, cash bar music program, Maryland choir. Call 4-8015 for info.

University Theatre: *Agnes of God*, 8 p.m., Pugliese Theatre. See November 27 for details.

2 SUNDAY

University of Maryland Chorus Christmas Concert, Paul Traver, conductor, 3 p.m., Memorial Chapel. Call 5-5548 for info.

University Theatre: *Agnes of God*, 2 p.m. and 8 p.m., Pugliese Theatre. See Nov. 27 for details.

* Admission charge for this event. All others are free.